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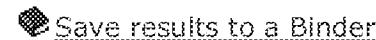
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**21** Deploying and managing Web services: issues, solutions, and directions

Qi Yu, Xumin Liu, Athman Bouguettaya, Brahim Medjahed

May 2008 **The VLDB Journal — The International Journal on Very Large Data Bases**

3

**Publisher:** Springer-Verlag New York, Inc.Full text available: [Pdf](#) (903.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 290, Downloads (12 Months): 1676, Citation Count: 2

Web services are expected to be the key technology in enabling the next installment of the Service Web. In this paradigm shift, Web services would be treated as first-class objects in the Service Web. This paper presents a general framework for the deployment and management of Web services. The framework is based on the notion of composite service context, which is a context that is composed of multiple Web services and their interactions. The framework provides a mechanism for managing the deployment and management of Web services in a distributed environment. The framework also provides a mechanism for managing the deployment and management of Web services in a distributed environment. The framework also provides a mechanism for managing the deployment and management of Web services in a distributed environment.

**Keywords:** Interoperability, Service-oriented computing, Web service management systems, Web services, Composite services

**22** Service oriented architectures: approaches, technologies and research issues

Mike P. Papazoglou, Willem-Jan Heuvel

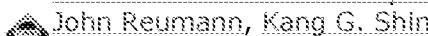
July 2007 **The VLDB Journal — The International Journal on Very Large Data Bases**

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**Publisher:** Springer-Verlag New York, Inc.Full text available: [Pdf](#) (818.68 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)**Bibliometrics:** Downloads (6 Weeks): 380, Downloads (12 Months): 3254, Citation Count: 9

Service-oriented architectures (SOA) is an emerging approach that addresses the requirements of loosely coupled, standards-based, and protocol-independent distributed computing. The operations running in an SOA comprise a number of invocations ...

**Keywords:** Application and service integration, Asynchronous and event-driven processing, Bus, Service oriented architecture, Web services

**23** Stateful distributed interposition

John Reumann, Kang G. Shin

February 2004 **Transactions on Computer Systems (TOCS)**, Volume 22 Issue 1**Publisher:** ACMFull text available: [Pdf](#) (833.84 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 84, Citation Count: 3

Interposition-based system enhancements for multitiered servers are difficult to build and maintain. The system context is typically lost at application and machine boundaries. For example, requests and user identities do not propagate easily ...

**Keywords:** Distributed computing, component services, distributed context, multitiered systems, server consolidation

**24 Framework for Web service query algebra and optimization** QI Yu, Athman BouguettayaFebruary 2008 **Transactions on the Web (TWEB)** , Volume 2 Issue 1**Publisher:** ACMFull text available:  Pdf (1.13 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)**Bibliometrics:** Downloads (6 Weeks): 60, Downloads (12 Months): 414, Citation Count: 0

We present a query algebra that supports optimized access of Web services through service queries. The service query algebra is defined based on a formal service model that provides abstraction of Web services across an application ...

**Keywords:** Web service, query optimization, service oriented computing, service quer**25 The design and applications of a context service** Hui Lei, Daby M. Sow, John S. Davis, II, Guruduth Banavar, Maria R. EblingOctober 2002 **SI GMOBILE Mobile Computing and Communications Review** , Volume 6 : 1**Publisher:** ACMFull text available:  Pdf (87.81 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 171, Citation Count: 15

Context awareness enables applications to adapt themselves to their computing environment to better suit the needs of the user and the tasks. This paper describes a general middleware for context collection and dissemination, ...

**26 CWSC4EC: how to employ context, web service, and community in enterprise collaboration** Khouloud Boukadi, Chirine Ghedira, Sodki Chaari, Lucien Vincent, Emad BatainehJune 2008 **NOTERE '08**: Proceedings of the 8th international conference on New technologies for distributed systems**Publisher:** ACMFull text available:  Pdf (2.87 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 87, Citation Count: 0

Web services are becoming an essential support for inter-enterprise collaborative business. Nevertheless, in spite of the crucial progress in Web service technologies there is some work to be done especially in the discovery and selection phase. In ...

**Keywords:** collaborative business process, collaborative business process creation, collaboration, web service**27 Designing a distributed access control processor for network services on the Web** Reiner KraftNovember 2002 **XMLSEC '02**: Proceedings of the 2002 ACM workshop on XML security**Publisher:** ACMFull text available:  Pdf (301.14 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 190, Citation Count: 4

The service oriented architecture (SOA) is gaining more momentum with the advent of semantic Web technologies. A programmable and machine accessible Web is the vision of many, and a step towards the semantic Web. However, security is ...

**Keywords:** Web services, XML, access control, security**28****A cooperation-based approach for evolution of service ontologies**

Murat Sensoy, Pinar Yolum

May 2008 **AAMAS '08: Proceedings of the 7th international joint conference on Agents and multiagent systems - Volume 2**, Volume 2

**Publisher:** International Foundation for Autonomous Agents and Multiagent Systems

Full text available:  [Pdf \(324.53 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 62, Citation Count: 0

Communication among agents requires a common vocabulary to facilitate successful information exchange. One way to achieve this is to assume the existence of a common ontology of communicating agents. However, this is a strong assumption, because agents ...

**Keywords:** e-commerce, semantics, service ontology

**29 A Web services composition approach based on software agents and context**

 [Zakaria Maamar, Soraya Kouadri, Hamdi Yahyaoui](#)

March 2004 **SAC '04: Proceedings of the 2004 ACM symposium on Applied computing**

**Publisher:** ACM

Full text available:  [Pdf \(212.85 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 104, Citation Count: 4

We present an agent-based and context-oriented approach for Web services composition. It is an accessible application that other applications and humans can discover and trigger various needs. Due to the complexity of Web services ...

**Keywords:** Web service, composition, context, security, software agent

**30 On exploring performance optimizations in web service composition**

[Jingwen Jin, Klara Nahrstedt](#)

October 2004 **Middleware '04: Proceedings of the 5th ACM/IFIP/USENIX international conference on Middleware**

**Publisher:** Springer-Verlag New York, Inc.

Full text available:  [Pdf \(403.35 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 81, Citation Count: 3

The importance of service composition has been widely recognized in the Internet research due to its high flexibility in allowing development of customized applications from a plug-and-play manner. Although much research ...

**Keywords:** QoS, application-level routing, multicast, overlay networks, service composition

**31 Service composition for mobile environments**

[Dipanjan Chakraborty, Anupam Joshi, Tirth Firin, Yelena Yesha](#)

August 2005 **Mobile Networks and Applications**, Volume 10 Issue 4

**Publisher:** Kluwer Academic Publishers

Full text available:  [Pdf \(2.33 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 26, Downloads (12 Months): 202, Citation Count: 4

Service Composition, that is, the development of customized services by discovering, integrating and executing existing services has received a lot of attention in the last couple of years with respect to wired-infrastructure or Internet web services. ...

**Keywords:** DAML, broker, mobility, resource heterogeneity, service composition, service-oriented architecture

**32 Composing Web services on the Semantic Web****Brahim Medjahed, Athman Bouguettaya, Ahmed K. Elmagarmid****November 2003 The VLDB Journal — The International Journal on Very Large Data**

Issue 4

**Publisher:** Springer-Verlag New York, Inc.Full text available:  [Pdf \(1.29 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 59, Downloads (12 Months): 493, Citation Count: 42

Service composition is gaining momentum as the potential *silver bullet* for the envision It purports to take the Web to unexplored efficiencies and provide a flexible approach to types of activities in tomorrow's ...

**Keywords:** Ontology, Semantic Web, Service composition, Web services**33 Testing pervasive software in the presence of context inconsistency resolution ser** **Heng Lu, W.K. Chan, T.H. Tse** **May 2008 ICSE '08: Proceedings of the 30th international conference on Software engin****Publisher:** ACMFull text available:  [Pdf \(258.14 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 274, Citation Count: 2

Pervasive computing software adapts its behavior according to the changing contexts. contexts are often noisy. Context inconsistency resolution provides a cleaner pervasive environment to context-aware applications. A faulty context-aware ...

**Keywords:** context inconsistency resolution, pervasive computing, test adequacy**34 Web service composition with case-based reasoning****Benchaphen Limithanmaphon, Yanchun Zhang****January 2003 ADC '03: Proceedings of the 14th Australasian database conference -**

Volume 17

**Publisher:** Australian Computer Society, Inc.Full text available:  [Pdf \(77.74 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 107, Citation Count: 10

To run a smart E-Business or provide efficient Web service, a web services composition. Web services composition refers to the process of collaborating the heterogeneous web paper presents a model of web services composition ...

**Keywords:** case-based reasoning, web service, web service discovery**35 Quality driven web services composition** **Liangzhao Zeng, Boualem Benatallah, Marlon Dumas, Jayant Kalagnanam, Quan Z. Sheng** **May 2003 WWW '03: Proceedings of the 12th international conference on World Wide W****Publisher:** ACMFull text available:  [Pdf \(245.01 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 55, Downloads (12 Months): 391, Citation Count: 44

The process-driven composition of Web services is emerging as a promising approach to business applications within and across organizational boundaries. In this approach, individual services are federated into composite Web services whose ...

**Keywords:** QoS, service composition, web services

**36 Serviguration: towards online configurability of real-world services**

 [Ziy Balda, Hans Akkermans, Jaap Gordijn](#)

September 2003 **ICEC '03**: Proceedings of the 5th international conference on Electronic commerce

**Publisher:** ACM

Full text available:  [Pdf \(322.59 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 41, Citation Count: 2

Current eCommerce is still mainly characterized by the relatively straightforward trade of goods. Nextgeneration efforts in worldwide information infrastructure, especially the Semantic Web Services, contribute some necessary, but ...

**Keywords:** SemanticWeb technologies, collaborative eCommerce, configuration, ontology, product/service description

**37 Quality aspects in service ecosystems: areas for exploitation and exploration**

 [Christoph Riedl, Tilo Böhrmann, Michael Rosemann, Helmut Krcmar](#)

August 2008 **ICEC '08**: Proceedings of the 10th international conference on Electronic commerce

**Publisher:** ACM

Full text available:  [Pdf \(704.90 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 112, Citation Count: 0

Service Science, Management, and Engineering (SSME) is a research area with significant research and practice. Networked systems of web services are a field of service science with growing interest from researchers. The complex and ...

**Keywords:** innovation, new service development (NSD), quality management, service management, service management, web service

**38 What can context do for web services?**

 [Zakaria Maamar, Djamel Benslimane, Nanjangud C. Narendra](#)

December 2006 **Communications of the ACM**, Volume 49 Issue 12

**Publisher:** ACM

Full text available:  [Html \(24.37 KB\)](#),  [Pdf \(600.73 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index](#), [terms](#)

**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 270, Citation Count: 4

Context-aware Web service would significantly benefit the interactions between human and the environment.

**39 A service creation environment based on end to end composition of Web services**

 [Vikas Agarwal, Koustuv Dasgupta, Neeran Karnik, Arun Kumar, Ashish Kundu, Sumit Mittal, Srivastava](#)

May 2005 **WWW '05**: Proceedings of the 14th international conference on World Wide Web

**Publisher:** ACM

Full text available:  [Pdf \(346.42 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)

**Bibliometrics:** Downloads (6 Weeks): 43, Downloads (12 Months): 364, Citation Count: 11

The demand for quickly delivering new applications is increasingly becoming a business today. Application development is often done in an ad hoc manner, without standard libraries, thus resulting in poor reuse of software assets. ...

**Keywords:** Web services composition, planning, semantic Web

**40 Rich service description for a *smarter lifestyle*** [Patricia Charlton, Myriam Ribiere](#)July 2003 **AAMAS '03: Proceedings of the second international joint conference on Autc and multiagent systems****Publisher:** ACMFull text available:  [Pdf \(191.10 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index](#)**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 33, Citation Count: 0

A generally portrayed mobile society vision is captured by the idea of *Intelligent Person Lifestyle* Assistants that takes on many forms, they help you find your way around the might be mobile, they may be socially intelligent ...

**Keywords:** DAML-S, dynamic team formation, service aggregation, service description, web servicesResult page: << [previous](#) [1](#) **2** [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#)

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